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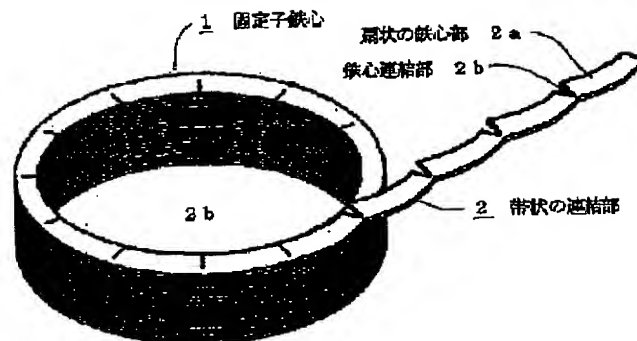
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TITLE : MANUFACTURE OF SLOTLESS
STATOR IRON CORE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a manufacturing method of a slotless stator iron core which can form a layered iron core easily into an arbitrary shape with high yield of iron core material.

SOLUTION: This manufacturing method of slotless stator iron core, which forms the slotless stator iron core 1 by layering thin-plate shaped iron cores, involves forming a strip continuous iron core 2 which consists of a fan-shaped iron core part 2a which has the same arc as an inner diameter and an outer diameter at the time of layering and is formed at an arbitrary angle with no 360 as its multiple between both end parts in a circumferential direction, and an iron core connection part 2b for connecting the iron core part 2a at an outer periphery part by means of press-punching to prevent the iron core connection part 2b from aligning linear in its axial direction, and spirally-layering the strip continuous iron core 2. It is thus possible to manufacture the stator iron core easily, and improve the yield of iron core raw material. The core connection parts do not align linearly in the axial direction, thus it is possible to suppress generation of cogging torque.

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